DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Municipal Engineering Services Co., P.A.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Jonathan Pfohl Phone: (919) 772-5393

E-mail: jpfohl@mesco.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Cherokee County Closed MSWLF	Fairview Road (SR1515) Marble, NC 28905	20-01	.0500	August 22, 2007

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☐ Detection Monitoring ☒ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☒ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify)
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Jonathan Pfohl	Environmental Specialist	(919) 772-5393
Facility Representative Name (Print)	Title	(Area Code) Telephone Number
Signature	11/7/07 Date	Affix NC Licensed/ Professional Geologist/Engineer Seal here:

Revised 01/2007

Semi-Annual Groundwater Sampling and Analysis Report

Prepared for

Cherokee County Closed MSWLF
Marble, North Carolina

August, 2007

Permit Number: 20-01
MESCO Project Number: G07006.0

Completed on November 7, 2007

Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

November 7, 2007

Ms. Jacylnne Drummond
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Groundwater Sampling and Analysis Report
Cherokee County Closed Sanitary Landfill
Permit No. 20-01
MESCO Project No. G07006.0

Dear Ms. Drummond:

The groundwater and surface waters at the Cherokee County Closed unlined MSWLF located in Marble NC was sampled and analyzed by Pace Analytical Services, Inc. (PACE) of Asheville, North Carolina, on August 22, 2007. The monitoring plan for the closed MSWLF consists of downgradient wells MW-1, MW-3, MW-4R, MW-5, MW-6, MW-6R, MW-7, and background wells MW-2 and MW-2R. Residential supply wells for all of the neighboring properties labeled as Rathbone, Van Buskirk (Haney), Pendergrass, and Solesbee. The surface water sampling point along the Valley river upstream of the facility named SW-1. The down stream surface monitoring locations SW-2 and SW-4 were sampled concurrently and will be reported with the Subtitle D Landfill report submitted separately at a later date. Water samples were obtained from all of the monitoring locations during this event. The samples were analyzed for the complete set of Appendix I constituents as well as for the specific Appendix II compounds previously detected which included only the semi-volatile compound naphthalene within MW-6.

All detected constituents were analyzed utilizing the Solid Waste Section Limit (SWSL) as the detection limit. The data was than compared to the North Carolina Groundwater NCGW2L Standard or the groundwater protection limits (GWP) for regulatory exceedances. The results are shown in the enclosed table titled "Detection Scan". The following table (Table 1) summarizes all of the constituents that exceeded the NCGW2L Standard.

Table 1. Exceedance Summary (Metals & VOCs)

Well	Benzene	1,4-DCB	VC
MW-1	x		
MW-4R	x		x
MW-6	x	x	
MW-7		x	

x = concentration greater than NCGW2L Standard

PO Box 97, Garner, North Carolina 27529 (919) 772-5393
PO Box 828, Morehead City, NC 28557 (252) 726-9481 PO Box 349, Boone, North Carolina 28607 (828) 262-1767

Inorganic constituents (Metals) continue to be detected within all of the monitoring sites with the exception of the residential wells serving Solesbee and Rathbone. All of the metals were found within their historical range during this event and none were detected above the NCGW2L Standard. However, a few metals that have not had NCGW2L Standards established were found in exceedance of the GWP Standard within downgradient wells MW-4R, MW-6R. The background wells MW-2 and MW-2R were also found to contain a few metals above the GWP Standard indicating that the metals are naturally occurring.

All VOCs were detected in concentrations within their respective historical range.
Across gradient MW-6 continues to yield water samples that contain the highest number and concentrations of VOC detections site wide including the Appendix II parameter naphthalene. However, it appears as though the leachate plume is confined within the facility boundary as MW-6R located at the property line lacks any VOCs above the laboratory reporting limit.

The only VOC detected above the SWSL within the residential wells was found within the Rathbone supply well. A very low concentration of chloroform below both the NCGW2L and drinking water Standards were found within the Rathbone well for the third time since monitoring was initiated in 1997. Following the last detection of chloroform within the Rathbone well on 2/22/06 it was discovered that the well was disinfected with chlorine. Therefore the presence of chloroform is very likely a byproduct of the chlorination process and not attributed to leachate originating from the closed landfill.

Surface water SW-4, located downstream of both the closed and active lined landfill continues to lack any detectable parameters indicating that neither facility has impacted the Vally River which serves as the discharge feature.

Municipal Engineering Services Company, P.A. (MESCO) completed the enclosed potentiometric map with groundwater elevations on the day of sampling, flow rates and direction. Time Series graphs for MW-1, MW-4R, MW-5, and MW-6 are also included. The closed landfill is scheduled to be sampled concurrently with the Subtitle D landfill in February 2008. During the next sampling event all monitoring locations will be sampled for the Appendix I list and MW-6 will also continue to be analyzed for naphthalene. The laboratory will be instructed again to report the analytical data to the method detection limit (MDL). If you have any questions or comments regarding this report, please contact me at (919) 772-5393 or by email at jpfohl@mesco.com.

Sincerely,
MUNICIPAL ENGINEERING SERVICES CO., P.A.

Jonathan Pfohl
Environmental Specialist

Enclosures
cc: Mr. Robert Allen
Cherokee County

Detection Scan All Detections above SWSL, GWP, and NCGW2L
Cherokee County Closed Landfill

Well ID	Parameter Name [1]	Sample Date	Result	Unit	SWSL [2]	NCGW2L [3]	GWP[4]	Exceedance
MW-1	Nickel	8/22/07	11	ug/L	5.0	100		
MW-1	cis-1,2-Dichloroethene	8/22/07	1.6	ug/L	1.0	70		
MW-1	Chlorobenzene	8/22/07	6.8	ug/L	1.0	50		
MW-1	Cobalt	8/22/07	25.9	ug/L	5.0		70	
MW-1	Barium	8/22/07	59.7	ug/L	5.0	2000		
MW-1	Zinc	8/22/07	47	ug/L	10.0	1050		
MW-1	**Benzene**	**8/22/07**	**1.4**	**ug/L**	**1.0**	**1**		**0.4**
MW-2	Copper	8/22/07	13.8	ug/L	5.0	1000		
MW-2	Zinc	8/22/07	147	ug/L	10.0	1050		
MW-2	Barium	8/22/07	218	ug/L	5.0	2000		
MW-2	Nickel	8/22/07	53.8	ug/L	5.0	100		
MW-2	cis-1,2-Dichloroethene	8/22/07	2.2	ug/L	1.0	70		
MW-2	1,1-Dichloroethane	8/22/07	2.3	ug/L	1.0	70		
MW-2	**Cobalt**	**8/22/07**	**79.8**	**ug/L**	**5.0**		**70**	**9.8**
MW-2	Lead	8/22/07	9	ug/L	5.0	15		
MW-2	Selenium	8/22/07	18.2	ug/L	10.0	50		
MW-2	**Vanadium**	**8/22/07**	**8.5**	**ug/L**	**5.0**		**3.5**	**5**
MW-2	**Thallium**	**8/22/07**	**5.6**	**ug/L**	**5.5**		**0.28**	**5.32**
MW-2R	Cobalt	8/22/07	5.4	ug/L	5.0		70	
MW-2R	Barium	8/22/07	34.8	ug/L	5.0	2000		
MW-2R	Nickel	8/22/07	20.7	ug/L	5.0	100		
MW-2R	Zinc	8/22/07	53.1	ug/L	10.0	1050		
MW-4R	**Vinyl chloride**	**8/22/07**	**1.9**	**ug/L**	**1.0**	**0.015**		**1.885**
MW-4R	Barium	8/22/07	90.8	ug/L	5.0	2000		
MW-4R	**Thallium**	**8/22/07**	**6.4**	**ug/L**	**5.5**		**0.28**	**6.12**
MW-4R	Zinc	8/22/07	108	ug/L	10.0	1050		
MW-4R	**Benzene**	**8/22/07**	**1.3**	**ug/L**	**1.0**	**1**		**0.3**
MW-4R	Selenium	8/22/07	41.3	ug/L	10.0	50		
MW-4R	cis-1,2-Dichloroethene	8/22/07	8.8	ug/L	1.0	70		
MW-5	Chlorobenzene	8/22/07	11	ug/L	1.0	50		
MW-5	cis-1,2-Dichloroethene	8/22/07	4.9	ug/L	1.0	70		
MW-5	Barium	8/22/07	36.3	ug/L	5.0	2000		
MW-5	Zinc	8/22/07	21.6	ug/L	10.0	1050		
MW-5	Nickel	8/22/07	8.4	ug/L	5.0	100		
MW-6	Naphthalene	8/22/07	18.9	ug/L	1.0	21		
MW-6	**Benzene**	**8/22/07**	**2.8**	**ug/L**	**1.0**	**1**		**1.8**
MW-6	Carbon disulfide	8/22/07	2.2	ug/L	2.0		700	
MW-6	Isobutanol	8/22/07	109	ug/L	100			
MW-6	Chlorobenzene	8/22/07	11.5	ug/L	1.0	50		
MW-6	Barium	8/22/07	31.3	ug/L	5.0	2000		
MW-6	Xylenes	8/22/07	2.6	ug/L	2.0	530		
MW-6	cis-1,2-Dichloroethene	8/22/07	2.9	ug/L	1.0	70		
MW-6	**1,4-Dichlorobenzene**	**8/22/07**	**22.2**	**ug/L**	**1.0**	**1.4**		**20.8**
MW-6	Zinc	8/22/07	19.2	ug/L	10.0	1050		
MW-6R	Copper	8/22/07	11.9	ug/L	5.0	1000		

Well ID	Parameter Name [1]	Sample Date	Result	Unit	SWSL [2]	NCGW2L [3]	GWP[4]	Exceedance
MW-6R	**Vanadium**	**8/22/07**	**12.9**	**ug/L**	**5.0**		**3.5**	**9.4**
MW-6R	Lead	8/22/07	11.4	ug/L	5.0	15		
MW-6R	Cobalt	8/22/07	14	ug/L	5.0		70	
MW-6R	Chromium	8/22/07	10.4	ug/L	5.0	50		
MW-6R	Nickel	8/22/07	8.8	ug/L	5.0	100		
MW-6R	Barium	8/22/07	118	ug/L	5.0	2000		
MW-6R	Zinc	8/22/07	26	ug/L	10.0	1050		
MW-7	Barium	8/22/07	53.6	ug/L	5.0	2000		
MW-7	Selenium	8/22/07	28.5	ug/L	10.0	50		
MW-7	Arsenic	8/22/07	5	ug/L	5.0	50		
MW-7	Chlorobenzene	8/22/07	1.1	ug/L	1.0	50		
MW-7	**1,4-Dichlorobenzene**	**8/22/07**	**1.9**	**ug/L**	**1.0**	**1.4**		**0.5**
Pendergrass	Copper	8/22/07	27.5	ug/L	5.0	1000		
Rathbone	Chloroform	8/22/07	4.2	ug/L	1.0	70		
Van Buskirk (Haney)	Zinc	8/22/07	14.6	ug/L	10.0	1050		
Van Buskirk (Haney)	Barium	8/22/07	27.6	ug/L	5.0	2000		
Van Buskirk (Haney)	Copper	8/22/07	11.6	ug/L	5.0	1000		
SW-1	Barium	8/22/07	7.7	ug/L	5.0	2000		
TB	Chloromethane	8/22/07	1	ug/L	1.0		2.6	

[1] Table contains all constituents Reported by the laboratory

[2] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)

[3] NCGW2L = North Carolina Ground Water 2L Standard

[4] GWP = Groundwater Protection Standard (Current as of Sampling Event)

Hydrologic Properties at Monitoring Well Locations
Cherokee County Closed Landfill

Monitoring Well	Hydraulic Conductivity (cm/sec)	Effective Porosity (%)	Hydraulic Gradient	Flow Rate (ft/yr)	Flow Direction	Water Table Depth (ft)	Water Table Elev. (ft)
MW-1	5.50E-04	15%	0.04	142.2	N38W	7.25	1634.63
MW-2	4.40E-04	15%	0.06	193.9	N44W	31	1686.97
MW-2R	n/a	n/a	n/a	n/a	N46W	19.74	1686.88
MW-3	1.50E-03	15%	0.05	496.1	N50W	17.1	1671.47
MW-4R	3.50E-04	15%	0.05	115.3	N43W	10.82	1636.37
MW-5	1.20E-04	20%	0.05	29.1	N44W	8	1636.61
MW-6	5.10E-05	15%	0.04	14.4	N51W	32.62	1655.33
MW-6R	n/a	n/a	n/a	n/a	N51W	12.08	1653.73
MW-7	2.90E-04	5%	0.04	230.1	N41W	9.95	1636.9

NOTE: Data for conductivities and effective porosity obtained from GAI Consultants' Water Sampling Report

Hydrologic Gradient taken from the August 22, 2007 sampling event.

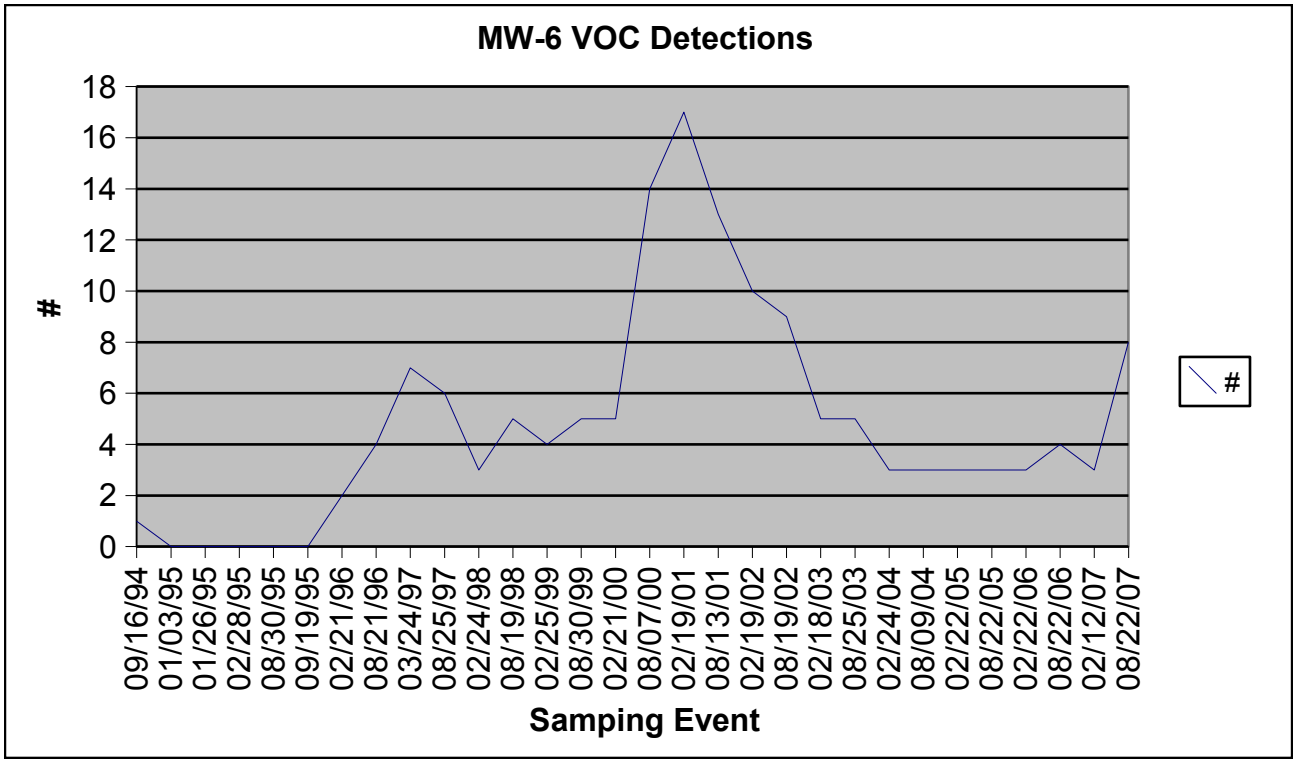
Flow rate (Q) is defined by the equation:

where

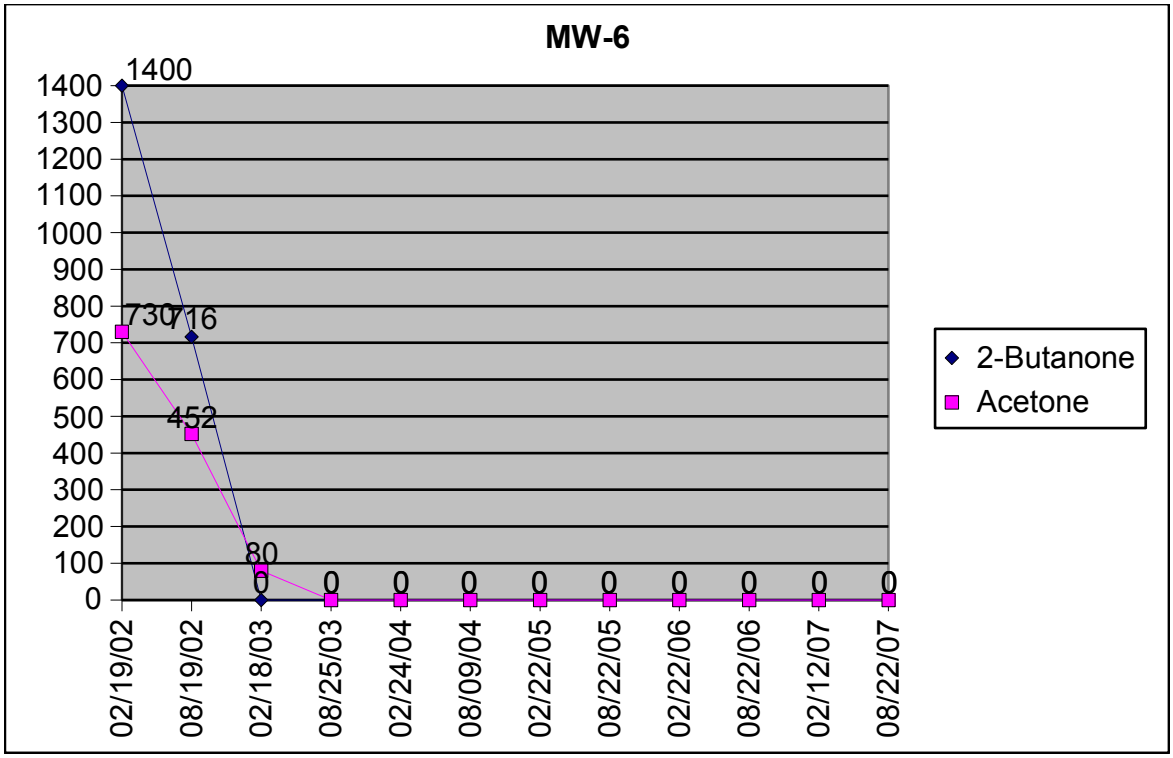
$$Q = -\frac{K}{n_e} \cdot \frac{dh}{dl}$$

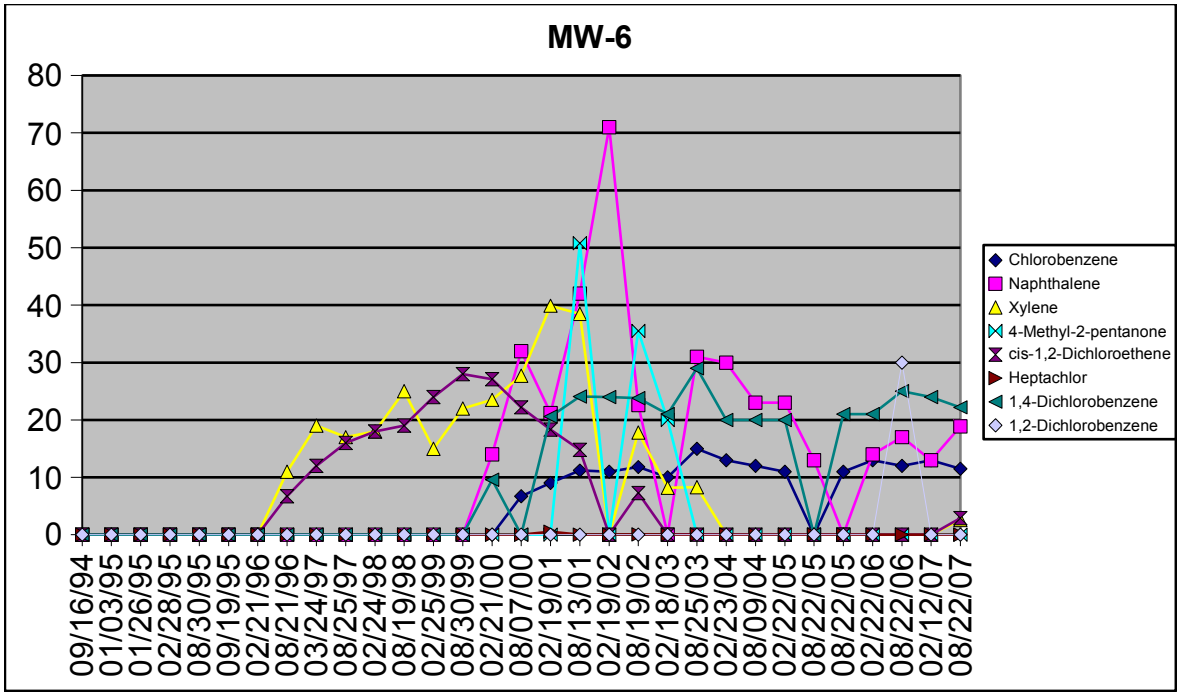
K = hydraulic conductivity
ne = effective porosity
dh = head difference
dl = horizontal distance

Time Series Plots for Select VOC Constituents (MW-6)
Cherokee County Closed Sanitary Landfill

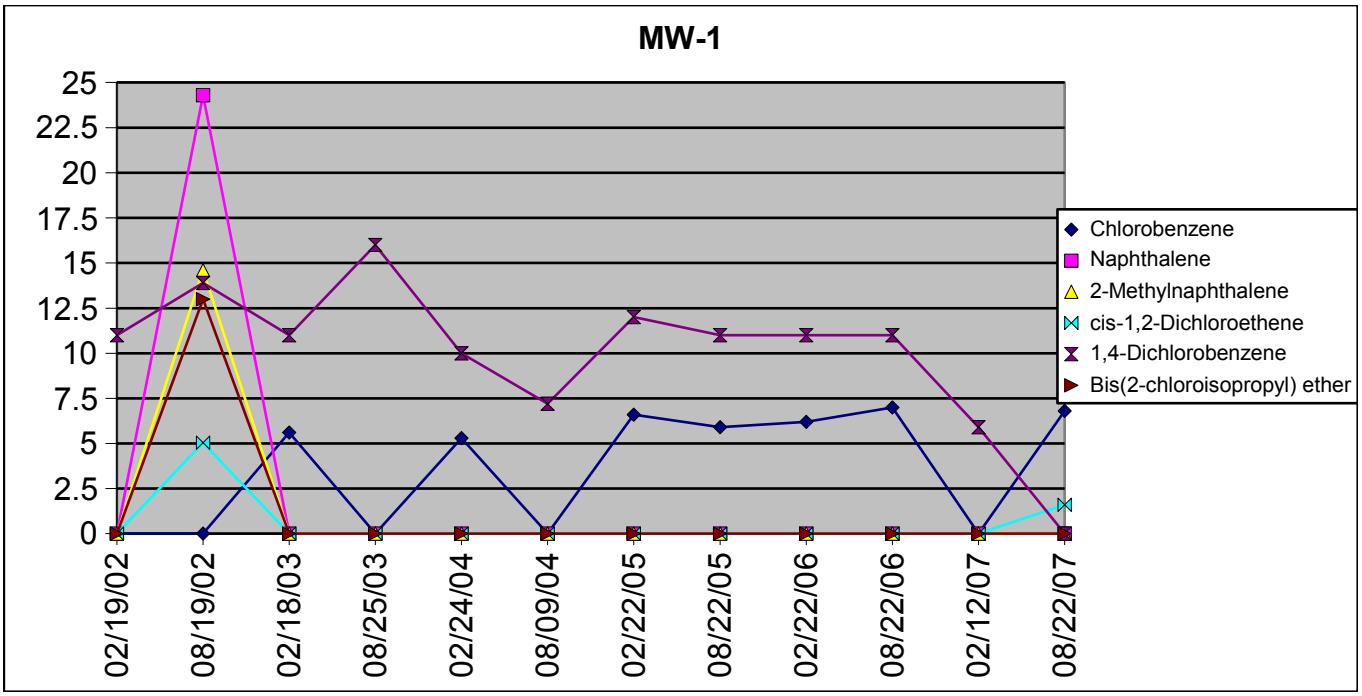


Time Series Plots for Select VOC Constituents (MW-6)
Cherokee County Closed Landfill



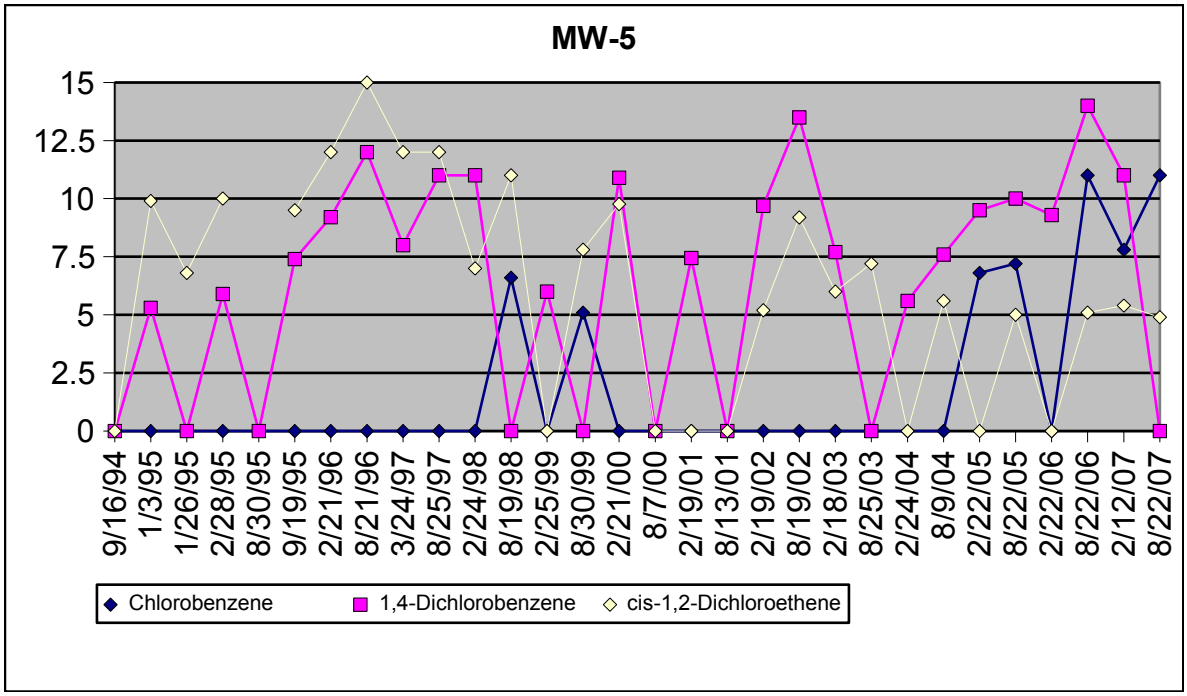


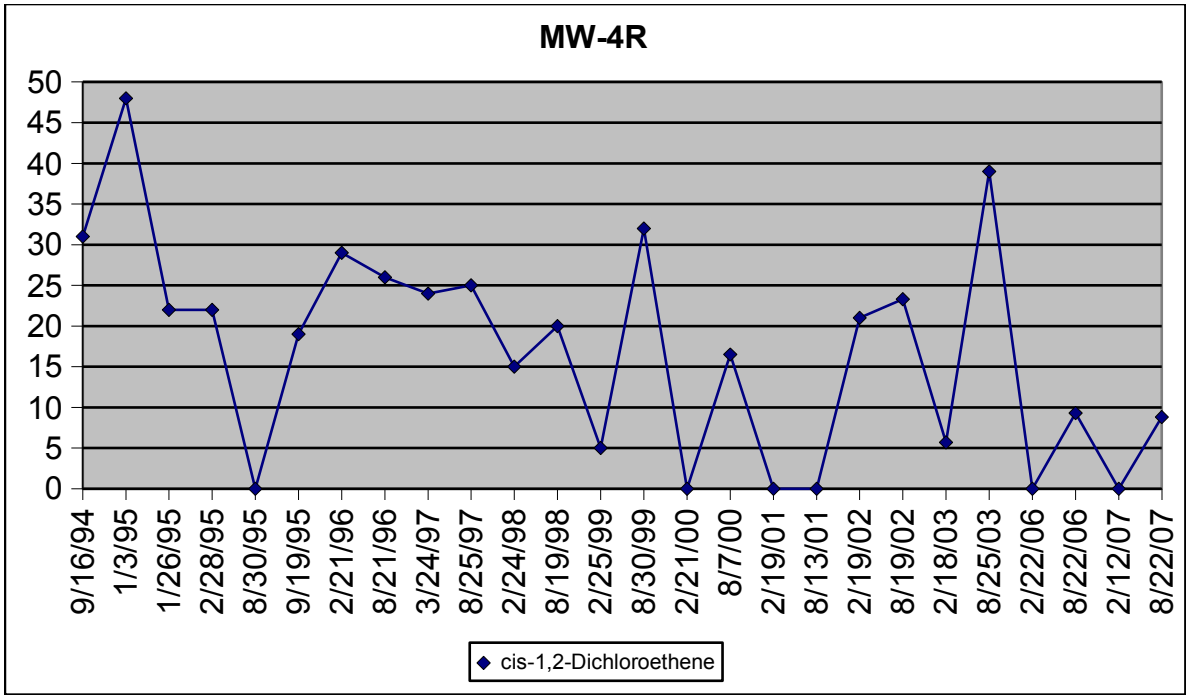
Time Series Plots for Select VOC Constituents (MW-1)
Cherokee County Closed Landfill



	2/19/02	8/19/02	2/18/03	8/25/03	2/24/04	8/9/04	2/22/05	8/22/05	2/22/06	8/22/06	2/12/07	8/22/07
Chlorobenzene	ND	ND	5.6	ND	5.3	ND	6.6	5.9	6.2	7	ND	6.8
Naphthalene	ND	**24.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	14.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	5.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6
1,4-Dichlorobenzene	11	13.9	11	16	10	7.2	**12**	**11**	**11**	**11**	**5.9**	ND
Bis(2-chloroisopropyl) ether	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Time Series Plots for Select VOC Constituents (MW-4R & MW-5)
Cherokee County Closed Landfill





LEGEND

- EXISTING CONTOURS
- PROPERTY LINE
- BUFFER ZONE
- TREE LINE
- ROAD
- WATER
- SPOT ELEVATION
- EXISTING MONITORING WELL
- RESIDENTIAL SUPPLY WELLS
- SURFACE WATER MONITORING
- EQUIPOTENTIAL CONTOURS
- RESIDENTIAL SUPPLY WELL

NOTES:

THIS MAP WAS GENERATED FROM AERIAL PHOTOS FLOWN ON 2-10-94 BY TRIANGLE AERIAL MAPPING.

Cherokee Co. Closed Landfill August 22, 2007

WELL #	TOP OF PIPE ELEVATION (FT)	DEPTH TO WATER (FT)	WATER ELEVATION (FT)
MW-1	1641.88	7.25	1634.63
MW-2	1717.97	31	1686.97
MW-2R	1706.62	19.74	1686.88
MW-3	1688.57	17.1	1671.47
MW-4R	1647.19	10.82	1636.37
MW-5	1644.61	8	1636.61
MW-6	1687.95	32.62	1655.33
MW-6R	1665.81	12.08	1653.73
MW-7	1646.85	9.95	1636.9

Municipal Engineering Services Company, P.A.

CLOSED SANITARY SOLID WASTE LANDFILL
CHEROKEE COUNTY
NORTH CAROLINA

DATE	BY	DESCRIPTION
11/8/00	LCH	ADDED PROPOSED MONITORING WELLS

SINGLE DAY POTENTIOMETRIC MAP

SCALE: 1" = 100'
DATE: 1/28/97
DRAWN: BD & WWM
CHKD: BD & LCH
PROJECT NUMBER: 699008.0
DRAWING NO.
SHEET NO.

Laboratory Results

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 10, 2007

Mr. Jonathon Pfohl
Municipal Engineering Co. P.A.
PO Box 97
Garner, NC 27529

RE: Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on August 23, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tom R. Williams

Tom Williams

tom.williams@pacelabs.com
Project Manager

Enclosures

cc: Mr. Robert Allen, Cherokee County Landfill
Mr. Bill Block, Cherokee County Landfill

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without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

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(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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CERTIFICATIONS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Charlotte Certification IDs

North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213
Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 990300001
South Carolina Bioassay Certification Number: 990300002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

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SAMPLE SUMMARY

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Lab ID	Sample ID	Matrix	Date Collected	Date Received
922166001	**MW-1**	Water	08/22/07 14:40	08/23/07 09:30
922166002	**MW-2**	Water	08/22/07 15:30	08/23/07 09:30
922166003	**MW-2R**	Water	08/22/07 15:45	08/23/07 09:30
922166004	**MW-3**	Water	08/22/07 12:35	08/23/07 09:30
922166005	**MW-4**	Water	08/22/07 14:15	08/23/07 09:30
922166006	**MW-5**	Water	08/22/07 14:30	08/23/07 09:30
922166007	**MW-6**	Water	08/22/07 16:10	08/23/07 09:30
922166008	**MW-6R**	Water	08/22/07 15:15	08/23/07 09:30
922166009	**MW-7**	Water	08/22/07 16:00	08/23/07 09:30

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Pace Analytical Services, Inc.
2225 Riverside Dr.
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(828)254-7176

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9800 Kincey Ave. Suite 100
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(704)875-9092

SAMPLE ANALYTE COUNT

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Lab ID	Sample ID	Method	Analytes Reported
922166001	**MW-1**	EPA 6010 GW North Carolina	15
		EPA 8260	62
			6
922166002	**MW-2**	EPA 6010 GW North Carolina	15
		EPA 8260	62
			7
922166003	**MW-2R**	EPA 6010 GW North Carolina	15
		EPA 8260	62
			7
922166004	**MW-3**		4
922166005	**MW-4**	EPA 6010 GW North Carolina	15
		EPA 8260	62
			7
922166006	**MW-5**	EPA 6010 GW North Carolina	15
		EPA 8260	62
			7
922166007	**MW-6**	EPA 6010 GW North Carolina	15
		EPA 8260	63
			7
922166008	**MW-6R**	EPA 6010 GW North Carolina	15
		EPA 8260	62
			7
922166009	**MW-7**	EPA 6010 GW North Carolina	15
		EPA 8260	62
			7

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-1 **Lab ID: 922166001** Collected: 08/22/07 14:40 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		09/11/07 16:18		
Collected Date	**8/22/07**			1		09/11/07 16:18		
Collected Time	**14:40**			1		09/11/07 16:18		
Field pH	**5.90**	Std. Units		1		09/11/07 16:18		
Field Temperature	**17.9**	deg C		1		09/11/07 16:18		
Static Water Level	**7.75**	feet		1		09/11/07 16:18		
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:10	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:10	7440-38-2	
Barium	**59.7**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:10	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:10	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:10	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:10	7440-47-3	
Cobalt	**25.9**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:10	7440-48-4	
Copper	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:10	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:10	7439-92-1	
Nickel	**11.0**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:10	7440-02-0	
Selenium	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:10	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:10	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:10	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:10	7440-62-2	
Zinc	**47.0**	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:10	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 04:53	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 04:53	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 04:53	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 04:53	107-05-1	
Benzene	**1.4**	ug/L	1.0	1		08/27/07 04:53	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 04:53	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 04:53	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 04:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 04:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 04:53	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 04:53	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 04:53	56-23-5	
Chlorobenzene	**6.8**	ug/L	1.0	1		08/27/07 04:53	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 04:53	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 04:53	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 04:53	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 04:53	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 04:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 04:53	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 04:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 04:53	95-50-1	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-1 **Lab ID: 922166001** Collected: 08/22/07 14:40 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 04:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 04:53	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 04:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 04:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 04:53	75-35-4	
cis-1,2-Dichloroethene	**1.6**	ug/L	1.0	1		08/27/07 04:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 04:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 04:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 04:53	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 04:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 04:53	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 04:53	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 04:53	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 04:53	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 04:53	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 04:53	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 04:53	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 04:53	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 04:53	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 04:53	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 04:53	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 04:53	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 04:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 04:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 04:53	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 04:53	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 04:53	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 04:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 04:53	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 04:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 04:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 04:53	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 04:53	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 04:53	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 04:53	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 04:53	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 04:53	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		08/27/07 04:53	460-00-4	
Dibromofluoromethane (S)	101	%	85-115	1		08/27/07 04:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120	1		08/27/07 04:53	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/27/07 04:53	2037-26-5	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-2 **Lab ID: 922166002** Collected: 08/22/07 15:30 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		09/11/07 16:20		
Collected Date	**8/22/07**			1		09/11/07 16:20		
Collected Time	**15:30**			1		09/11/07 16:20		
Field pH	**6.00**	Std. Units		1		09/11/07 16:20		
Field Temperature	**21.4**	deg C		1		09/11/07 16:20		
Static Water Level	**31.00**	feet		1		09/11/07 16:20		
Field Specific Conductance	**80**	umhos/cm		1		09/11/07 16:20		
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:14	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:14	7440-38-2	
Barium	**218**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:14	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:14	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:14	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:14	7440-47-3	
Cobalt	**79.8**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:14	7440-48-4	
Copper	**13.8**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:14	7440-50-8	
Lead	**9.0**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:14	7439-92-1	
Nickel	**53.8**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:14	7440-02-0	
Selenium	**18.2**	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:14	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:14	7440-22-4	
Thallium	**5.6**	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:14	7440-28-0	
Vanadium	**8.5**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:14	7440-62-2	
Zinc	**147**	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:14	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 05:16	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 05:16	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 05:16	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 05:16	107-05-1	
Benzene	ND	ug/L	1.0	1		08/27/07 05:16	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 05:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 05:16	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 05:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 05:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 05:16	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 05:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 05:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/27/07 05:16	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 05:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 05:16	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 05:16	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 05:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 05:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 05:16	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 05:16	74-95-3	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-2 **Lab ID: 922166002** Collected: 08/22/07 15:30 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 05:16	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 05:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 05:16	110-57-6	
1,1-Dichloroethane	**2.3**	ug/L	1.0	1		08/27/07 05:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 05:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 05:16	75-35-4	
cis-1,2-Dichloroethene	**2.2**	ug/L	1.0	1		08/27/07 05:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 05:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 05:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 05:16	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 05:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 05:16	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 05:16	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 05:16	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 05:16	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 05:16	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 05:16	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 05:16	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 05:16	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 05:16	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 05:16	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 05:16	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 05:16	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 05:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 05:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 05:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 05:16	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 05:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 05:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 05:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 05:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 05:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 05:16	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 05:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 05:16	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 05:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 05:16	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 05:16	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		08/27/07 05:16	460-00-4	
Dibromofluoromethane (S)	103	%	85-115	1		08/27/07 05:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120	1		08/27/07 05:16	17060-07-0	
Toluene-d8 (S)	103	%	70-120	1		08/27/07 05:16	2037-26-5	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-2R **Lab ID: 922166003** Collected: 08/22/07 15:45 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		09/11/07 16:43		
Collected Date	**8/22/07**			1		09/11/07 16:43		
Collected Time	**15:45**			1		09/11/07 16:43		
Field pH	**4.66**	Std. Units		1		09/11/07 16:43		
Field Temperature	**19.8**	deg C		1		09/11/07 16:43		
Static Water Level	**19.74**	feet		1		09/11/07 16:43		
Field Specific Conductance	**46**	umhos/cm		1		09/11/07 16:43		
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:17	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:17	7440-38-2	
Barium	**34.8**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:17	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:17	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:17	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:17	7440-47-3	
Cobalt	**5.4**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:17	7440-48-4	
Copper	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:17	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:17	7439-92-1	
Nickel	**20.7**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:17	7440-02-0	
Selenium	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:17	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:17	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:17	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:17	7440-62-2	
Zinc	**53.1**	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:17	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 05:40	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 05:40	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 05:40	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 05:40	107-05-1	
Benzene	ND	ug/L	1.0	1		08/27/07 05:40	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 05:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 05:40	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 05:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 05:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 05:40	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 05:40	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 05:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/27/07 05:40	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 05:40	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 05:40	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 05:40	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 05:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 05:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 05:40	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 05:40	74-95-3	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-2R **Lab ID: 922166003** Collected: 08/22/07 15:45 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 05:40	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 05:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 05:40	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 05:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 05:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 05:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 05:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 05:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 05:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 05:40	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 05:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 05:40	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 05:40	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 05:40	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 05:40	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 05:40	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 05:40	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 05:40	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 05:40	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 05:40	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 05:40	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 05:40	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 05:40	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 05:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 05:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 05:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 05:40	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 05:40	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 05:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 05:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 05:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 05:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 05:40	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 05:40	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 05:40	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 05:40	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 05:40	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 05:40	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		08/27/07 05:40	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	1		08/27/07 05:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120	1		08/27/07 05:40	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/27/07 05:40	2037-26-5	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-3 **Lab ID: 922166004** Collected: 08/22/07 12:35 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		09/11/07 16:46		
Collected Date	**8/22/07**			1		09/11/07 16:46		
Collected Time	**12:35**			1		09/11/07 16:46		
Static Water Level	**17.10**	feet		1		09/11/07 16:46		

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-4 **Lab ID: 922166005** Collected: 08/22/07 14:15 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		09/11/07 16:46		
Collected Date	**8/22/07**			1		09/11/07 16:46		
Collected Time	**14:15**			1		09/11/07 16:46		
Field pH	**6.10**	Std. Units		1		09/11/07 16:46		
Field Temperature	**19.4**	deg C		1		09/11/07 16:46		
Static Water Level	**10.82**	feet		1		09/11/07 16:46		
Field Specific Conductance	**447**	umhos/cm		1		09/11/07 16:46		
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:21	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:21	7440-38-2	
Barium	**90.8**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:21	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:21	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:21	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:21	7440-47-3	
Cobalt	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:21	7440-48-4	
Copper	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:21	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:21	7439-92-1	
Nickel	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:21	7440-02-0	
Selenium	**41.3**	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:21	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:21	7440-22-4	
Thallium	**6.4**	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:21	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:21	7440-62-2	
Zinc	**108**	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:21	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 06:04	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 06:04	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 06:04	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 06:04	107-05-1	
Benzene	**1.3**	ug/L	1.0	1		08/27/07 06:04	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 06:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 06:04	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 06:04	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 06:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 06:04	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 06:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 06:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/27/07 06:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 06:04	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 06:04	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 06:04	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 06:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 06:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 06:04	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 06:04	74-95-3	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-4 **Lab ID: 922166005** Collected: 08/22/07 14:15 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 06:04	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 06:04	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 06:04	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 06:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 06:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 06:04	75-35-4	
cis-1,2-Dichloroethene	**8.8**	ug/L	1.0	1		08/27/07 06:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 06:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 06:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 06:04	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 06:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 06:04	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 06:04	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 06:04	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 06:04	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 06:04	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 06:04	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 06:04	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 06:04	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 06:04	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 06:04	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 06:04	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 06:04	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 06:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 06:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 06:04	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 06:04	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 06:04	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 06:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 06:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 06:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 06:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 06:04	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 06:04	108-05-4	
Vinyl chloride	**1.9**	ug/L	1.0	1		08/27/07 06:04	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 06:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 06:04	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 06:04	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109	1		08/27/07 06:04	460-00-4	
Dibromofluoromethane (S)	101	%	85-115	1		08/27/07 06:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120	1		08/27/07 06:04	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/27/07 06:04	2037-26-5	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-5 **Lab ID: 922166006** Collected: 08/22/07 14:30 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		09/11/07 16:48		
Collected Date	**8/22/07**			1		09/11/07 16:48		
Collected Time	**14:30**			1		09/11/07 16:48		
Field pH	**5.40**	Std. Units		1		09/11/07 16:48		
Field Temperature	**19.9**	deg C		1		09/11/07 16:48		
Static Water Level	**8.00**	feet		1		09/11/07 16:48		
Field Specific Conductance	**405**	umhos/cm		1		09/11/07 16:48		
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:24	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:24	7440-38-2	
Barium	**36.3**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:24	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:24	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:24	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:24	7440-47-3	
Cobalt	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:24	7440-48-4	
Copper	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:24	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:24	7439-92-1	
Nickel	**8.4**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:24	7440-02-0	
Selenium	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:24	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:24	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:24	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:24	7440-62-2	
Zinc	**21.6**	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:24	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 06:28	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 06:28	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 06:28	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 06:28	107-05-1	
Benzene	ND	ug/L	1.0	1		08/27/07 06:28	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 06:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 06:28	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 06:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 06:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 06:28	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 06:28	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 06:28	56-23-5	
Chlorobenzene	**11.0**	ug/L	1.0	1		08/27/07 06:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 06:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 06:28	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 06:28	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 06:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 06:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 06:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 06:28	74-95-3	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-5 **Lab ID: 922166006** Collected: 08/22/07 14:30 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 06:28	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 06:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 06:28	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 06:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 06:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 06:28	75-35-4	
cis-1,2-Dichloroethene	**4.9**	ug/L	1.0	1		08/27/07 06:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 06:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 06:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 06:28	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 06:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 06:28	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 06:28	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 06:28	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 06:28	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 06:28	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 06:28	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 06:28	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 06:28	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 06:28	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 06:28	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 06:28	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 06:28	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 06:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 06:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 06:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 06:28	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 06:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 06:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 06:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 06:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 06:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 06:28	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 06:28	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 06:28	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 06:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 06:28	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 06:28	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		08/27/07 06:28	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	1		08/27/07 06:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120	1		08/27/07 06:28	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/27/07 06:28	2037-26-5	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-6 **Lab ID: 922166007** Collected: 08/22/07 16:10 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		09/11/07 16:49		
Collected Date	**8/22/07**			1		09/11/07 16:49		
Collected Time	**16:10**			1		09/11/07 16:49		
Field pH	**5.50**	Std. Units		1		09/11/07 16:49		
Field Temperature	**20**	deg C		1		09/11/07 16:49		
Static Water Level	**32.62**	feet		1		09/11/07 16:49		
Field Specific Conductance	**175**	umhos/cm		1		09/11/07 16:49		
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:28	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:28	7440-38-2	
Barium	**31.3**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:28	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:28	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:28	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:28	7440-47-3	
Cobalt	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:28	7440-48-4	
Copper	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:28	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:28	7439-92-1	
Nickel	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:28	7440-02-0	
Selenium	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:28	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:28	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:28	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:28	7440-62-2	
Zinc	**19.2**	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:28	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 06:52	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 06:52	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 06:52	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 06:52	107-05-1	
Benzene	**2.8**	ug/L	1.0	1		08/27/07 06:52	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 06:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 06:52	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 06:52	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 06:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 06:52	78-93-3	
Carbon disulfide	**2.2**	ug/L	2.0	1		08/27/07 06:52	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 06:52	56-23-5	
Chlorobenzene	**11.5**	ug/L	1.0	1		08/27/07 06:52	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 06:52	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 06:52	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 06:52	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 06:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 06:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 06:52	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 06:52	74-95-3	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-6 **Lab ID: 922166007** Collected: 08/22/07 16:10 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 06:52	95-50-1	
1,4-Dichlorobenzene	**22.2**	ug/L	1.0	1		08/27/07 06:52	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 06:52	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 06:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 06:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 06:52	75-35-4	
cis-1,2-Dichloroethene	**2.9**	ug/L	1.0	1		08/27/07 06:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 06:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 06:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 06:52	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 06:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 06:52	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 06:52	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 06:52	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 06:52	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 06:52	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 06:52	74-88-4	
Isobutanol	**109**	ug/L	100	1		08/27/07 06:52	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 06:52	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 06:52	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 06:52	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 06:52	108-10-1	
Naphthalene	**18.9**	ug/L	1.0	1		08/27/07 06:52	91-20-3	
Propionitrile	ND	ug/L	20.0	1		08/27/07 06:52	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 06:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 06:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 06:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 06:52	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 06:52	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 06:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 06:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 06:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 06:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 06:52	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 06:52	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 06:52	75-01-4	
Xylene (Total)	**2.6**	ug/L	2.0	1		08/27/07 06:52	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 06:52	1330-20-7	
o-Xylene	**2.5**	ug/L	1.0	1		08/27/07 06:52	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109	1		08/27/07 06:52	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	1		08/27/07 06:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120	1		08/27/07 06:52	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/27/07 06:52	2037-26-5	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-6R **Lab ID: 922166008** Collected: 08/22/07 15:15 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		09/11/07 16:50		
Collected Date	**8/22/07**			1		09/11/07 16:50		
Collected Time	**15:15**			1		09/11/07 16:50		
Field pH	**5.38**	Std. Units		1		09/11/07 16:50		
Field Temperature	**21.4**	deg C		1		09/11/07 16:50		
Static Water Level	**12.08**	feet		1		09/11/07 16:50		
Field Specific Conductance	**230**	umhos/cm		1		09/11/07 16:50		
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:32	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:32	7440-38-2	
Barium	**118**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:32	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:32	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:32	7440-43-9	
Chromium	**10.4**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:32	7440-47-3	
Cobalt	**14.0**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:32	7440-48-4	
Copper	**11.9**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:32	7440-50-8	
Lead	**11.4**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:32	7439-92-1	
Nickel	**8.8**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:32	7440-02-0	
Selenium	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:32	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:32	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:32	7440-28-0	
Vanadium	**12.9**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:32	7440-62-2	
Zinc	**26.0**	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:32	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 07:15	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 07:15	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 07:15	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 07:15	107-05-1	
Benzene	ND	ug/L	1.0	1		08/27/07 07:15	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 07:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 07:15	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 07:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 07:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 07:15	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 07:15	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 07:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/27/07 07:15	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 07:15	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 07:15	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 07:15	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 07:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 07:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 07:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 07:15	74-95-3	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-6R **Lab ID: 922166008** Collected: 08/22/07 15:15 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 07:15	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 07:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 07:15	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 07:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 07:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 07:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 07:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 07:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 07:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 07:15	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 07:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 07:15	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 07:15	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 07:15	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 07:15	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 07:15	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 07:15	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 07:15	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 07:15	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 07:15	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 07:15	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 07:15	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 07:15	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 07:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 07:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 07:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 07:15	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 07:15	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 07:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 07:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 07:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 07:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 07:15	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 07:15	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 07:15	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 07:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 07:15	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 07:15	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		08/27/07 07:15	460-00-4	
Dibromofluoromethane (S)	104	%	85-115	1		08/27/07 07:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120	1		08/27/07 07:15	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/27/07 07:15	2037-26-5	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-7 **Lab ID: 922166009** Collected: 08/22/07 16:00 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**MPS**			1		09/11/07 16:52		
Collected Date	**8/22/07**			1		09/11/07 16:52		
Collected Time	**16:00**			1		09/11/07 16:52		
Field pH	**6.13**	Std. Units		1		09/11/07 16:52		
Field Temperature	**20.3**	deg C		1		09/11/07 16:52		
Static Water Level	**9.95**	feet		1		09/11/07 16:52		
Field Specific Conductance	**443**	umhos/cm		1		09/11/07 16:52		
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:36	7440-36-0	
Arsenic	**5.0**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:36	7440-38-2	
Barium	**53.6**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:36	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:36	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:36	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:36	7440-47-3	
Cobalt	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:36	7440-48-4	
Copper	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:36	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:36	7439-92-1	
Nickel	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:36	7440-02-0	
Selenium	**28.5**	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:36	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:36	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:36	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:36	7440-62-2	
Zinc	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:36	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 07:39	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 07:39	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 07:39	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 07:39	107-05-1	
Benzene	ND	ug/L	1.0	1		08/27/07 07:39	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 07:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 07:39	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 07:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 07:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 07:39	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 07:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 07:39	56-23-5	
Chlorobenzene	**1.1**	ug/L	1.0	1		08/27/07 07:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 07:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 07:39	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 07:39	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 07:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 07:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 07:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 07:39	74-95-3	

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ANALYTICAL RESULTS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Sample: MW-7 **Lab ID: 922166009** Collected: 08/22/07 16:00 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 07:39	95-50-1	
1,4-Dichlorobenzene	**1.9**	ug/L	1.0	1		08/27/07 07:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 07:39	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 07:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 07:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 07:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 07:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 07:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 07:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 07:39	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 07:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 07:39	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 07:39	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 07:39	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 07:39	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 07:39	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 07:39	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 07:39	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 07:39	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 07:39	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 07:39	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 07:39	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 07:39	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 07:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 07:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 07:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 07:39	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 07:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 07:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 07:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 07:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 07:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 07:39	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 07:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 07:39	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 07:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 07:39	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 07:39	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		08/27/07 07:39	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	1		08/27/07 07:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120	1		08/27/07 07:39	17060-07-0	
Toluene-d8 (S)	103	%	70-120	1		08/27/07 07:39	2037-26-5	

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QUALITY CONTROL DATA

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

QC Batch: MSV/1122 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 922166001, 922166002, 922166003, 922166005, 922166006, 922166007, 922166008, 922166009

METHOD BLANK: 8272
Associated Lab Samples: 922166001, 922166002, 922166003, 922166005, 922166006, 922166007, 922166008, 922166009

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2-Butanone (MEK)	ug/L	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	
Acetone	ug/L	ND	25.0	
Benzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	
Dibromomethane	ug/L	ND	1.0	
Diisopropyl ether	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
m&p-Xylene	ug/L	ND	2.0	
Methylene Chloride	ug/L	ND	2.0	
Naphthalene	ug/L	ND	1.0	
o-Xylene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	

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QUALITY CONTROL DATA

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

METHOD BLANK: 8272

Associated Lab Samples: 922166001, 922166002, 922166003, 922166005, 922166006, 922166007, 922166008, 922166009

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Vinyl acetate	ug/L	ND	2.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	2.0	
1,2-Dichloroethane-d4 (S)	%	102	79-120	
4-Bromofluorobenzene (S)	%	99	87-109	
Dibromofluoromethane (S)	%	102	85-115	
Toluene-d8 (S)	%	101	70-120	

LABORATORY CONTROL SAMPLE: 8273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.9	112	83-125	
1,1,1-Trichloroethane	ug/L	50	59.5	119	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	73-127	
1,1,2-Trichloroethane	ug/L	50	55.7	111	77-123	
1,1-Dichloroethane	ug/L	50	59.3	119	76-129	
1,2,3-Trichloropropane	ug/L	50	51.0	102	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	48.6	97	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	53.0	106	81-125	
1,2-Dichlorobenzene	ug/L	50	52.2	104	82-126	
1,2-Dichloroethane	ug/L	50	58.5	117	72-126	
1,2-Dichloropropane	ug/L	50	57.6	115	80-127	
1,3-Dichloropropane	ug/L	50	52.9	106	79-124	
1,4-Dichlorobenzene	ug/L	50	54.4	109	79-125	
2-Butanone (MEK)	ug/L	100	107	107	50-134	
4-Methyl-2-pentanone (MIBK)	ug/L	100	110	110	70-131	
Acetone	ug/L	100	106	106	50-146	
Benzene	ug/L	50	58.2	116	78-128	
Bromochloromethane	ug/L	50	53.2	106	73-124	
Bromodichloromethane	ug/L	50	59.6	119	81-125	
Bromoform	ug/L	50	49.8	100	71-125	
Bromomethane	ug/L	50	66.0	132	50-150	
Carbon tetrachloride	ug/L	50	57.2	114	81-137	
Chlorobenzene	ug/L	50	56.3	113	82-126	
Chloroethane	ug/L	50	59.0	118	69-140	
Chloroform	ug/L	50	60.3	121	77-129	
Chloromethane	ug/L	50	54.7	109	54-139	
cis-1,2-Dichloroethene	ug/L	50	59.3	119	76-133	
cis-1,3-Dichloropropene	ug/L	50	57.8	116	76-127	
Dibromochloromethane	ug/L	50	55.9	112	77-125	
Dibromomethane	ug/L	50	54.7	109	77-125	
Diisopropyl ether	ug/L	50	58.2	116	74-131	
Ethylbenzene	ug/L	50	56.5	113	80-127	
m&p-Xylene	ug/L	100	113	113	82-127	
Methylene Chloride	ug/L	50	54.4	109	67-133	

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QUALITY CONTROL DATA

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

LABORATORY CONTROL SAMPLE: 8273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	57.6	115	52-136	
o-Xylene	ug/L	50	54.4	109	83-124	
Styrene	ug/L	50	55.6	111	80-130	
Tetrachloroethene	ug/L	50	57.2	114	78-128	
Toluene	ug/L	50	57.6	115	76-126	
trans-1,2-Dichloroethene	ug/L	50	60.9	122	78-134	
trans-1,3-Dichloropropene	ug/L	50	57.1	114	75-125	
Trichloroethene	ug/L	50	59.0	118	79-127	
Trichlorofluoromethane	ug/L	50	57.7	115	76-148	
Vinyl acetate	ug/L	100	99.3	99	50-150	
Vinyl chloride	ug/L	50	62.9	126	67-143	
Xylene (Total)	ug/L	150	167	112	83-125	
1,2-Dichloroethane-d4 (S)	%			104	79-120	
4-Bromofluorobenzene (S)	%			98	87-109	
Dibromofluoromethane (S)	%			101	85-115	
Toluene-d8 (S)	%			101	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 8274 8275

Parameter	Units	922167001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	60.1	56.9	120	114	74-136	6	30	
Chlorobenzene	ug/L	ND	50	50	58.5	55.5	117	111	79-135	5	30	
Toluene	ug/L	ND	50	50	58.3	55.4	117	111	73-131	5	30	
Trichloroethene	ug/L	ND	50	50	58.0	54.8	116	110	73-131	6	30	
1,2-Dichloroethane-d4 (S)	%						104	104	79-120			
4-Bromofluorobenzene (S)	%						98	98	87-109			
Dibromofluoromethane (S)	%						102	100	85-115			
Toluene-d8 (S)	%						101	101	70-120			

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QUALITY CONTROL DATA

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

QC Batch: MPRP/1105 | Analysis Method: EPA 6010 GW North Carolina
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 922166001, 922166002, 922166003, 922166005, 922166006, 922166007, 922166008, 922166009

METHOD BLANK: 8329
Associated Lab Samples: 922166001, 922166002, 922166003, 922166005, 922166006, 922166007, 922166008, 922166009

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Antimony	ug/L	ND	10.0	
Arsenic	ug/L	ND	5.0	
Barium	ug/L	ND	5.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	1.0	
Chromium	ug/L	ND	5.0	
Cobalt	ug/L	ND	5.0	
Copper	ug/L	ND	5.0	
Lead	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Selenium	ug/L	ND	10.0	
Silver	ug/L	ND	5.0	
Thallium	ug/L	ND	5.5	
Vanadium	ug/L	ND	5.0	
Zinc	ug/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 8330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	489	98	80-120	
Arsenic	ug/L	500	473	95	80-120	
Barium	ug/L	500	436	87	80-120	
Beryllium	ug/L	500	467	93	80-120	
Cadmium	ug/L	500	472	94	80-120	
Chromium	ug/L	500	461	92	80-120	
Cobalt	ug/L	500	454	91	80-120	
Copper	ug/L	500	446	89	80-120	
Lead	ug/L	500	477	95	80-120	
Nickel	ug/L	500	469	94	80-120	
Selenium	ug/L	500	467	93	80-120	
Silver	ug/L	250	241	96	80-120	
Thallium	ug/L	500	466	93	80-120	
Vanadium	ug/L	500	454	91	80-120	
Zinc	ug/L	500	457	91	80-120	

MATRIX SPIKE SAMPLE: 8331

Parameter	Units	921905001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	452	90	75-125	
Arsenic	ug/L	ND	500	450	90	75-125	

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QUALITY CONTROL DATA

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

MATRIX SPIKE SAMPLE: 8331

Parameter	Units	921905001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	3590	500	3940	71	75-125	M3
Beryllium	ug/L	6.2	500	430	85	75-125	
Cadmium	ug/L	1.7	500	416	83	75-125	
Chromium	ug/L	ND	500	406	81	75-125	
Cobalt	ug/L	17.9	500	398	76	75-125	
Copper	ug/L	ND	500	398	80	75-125	
Lead	ug/L	ND	500	404	81	75-125	
Nickel	ug/L	ND	500	394	79	75-125	
Selenium	ug/L	ND	500	443	89	75-125	
Silver	ug/L	ND	250	219	88	75-125	
Thallium	ug/L	ND	500	384	77	75-125	
Vanadium	ug/L	ND	500	411	82	75-125	
Zinc	ug/L	120	500	543	85	75-125	

SAMPLE DUPLICATE: 8332

Parameter	Units	921905002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND	200		
Arsenic	ug/L	ND	ND	199		
Barium	ug/L	166	169	2		
Beryllium	ug/L	ND	ND	0		
Cadmium	ug/L	ND	ND	0		
Chromium	ug/L	ND	ND	0		
Cobalt	ug/L	ND	ND	0		
Copper	ug/L	ND	.83J	50		
Lead	ug/L	5.0	4.8J	4		
Nickel	ug/L	ND	2J	26		
Selenium	ug/L	25.3	22.5	12		
Silver	ug/L	ND	ND	200		
Thallium	ug/L	10.6	7.6	32		
Vanadium	ug/L	13.2	14.1	7		
Zinc	ug/L	44.9	47.9	6		

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QUALIFIERS

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CHerokee Co. Closed LF
Pace Project No.: 922166

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
922166001	**MW-1**	EPA 8260	MSV/1122		
922166002	**MW-2**	EPA 8260	MSV/1122		
922166003	**MW-2R**	EPA 8260	MSV/1122		
922166005	**MW-4**	EPA 8260	MSV/1122		
922166006	**MW-5**	EPA 8260	MSV/1122		
922166007	**MW-6**	EPA 8260	MSV/1122		
922166008	**MW-6R**	EPA 8260	MSV/1122		
922166009	**MW-7**	EPA 8260	MSV/1122		
922166001	**MW-1**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922166002	**MW-2**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922166003	**MW-2R**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922166005	**MW-4**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922166006	**MW-5**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922166007	**MW-6**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922166008	**MW-6R**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922166009	**MW-7**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922166001	**MW-1**		FLD/		
922166002	**MW-2**		FLD/		
922166003	**MW-2R**		FLD/		
922166004	**MW-3**		FLD/		
922166005	**MW-4**		FLD/		
922166006	**MW-5**		FLD/		
922166007	**MW-6**		FLD/		
922166008	**MW-6R**		FLD/		
922166009	**MW-7**		FLD/		

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October 10, 2007

Mr. Jonathon Pfohl
Municipal Engineering Co. P.A.
PO Box 97
Garner, NC 27529

RE: Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on August 23, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Felicia Grogan

Felicia Grogan for
Tom Williams
tom.williams@pacelabs.com
Project Manager

Enclosures

cc: Mr. Robert Allen, Cherokee County Landfill
Mr. Bill Block, Cherokee County Landfill

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CERTIFICATIONS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Charlotte Certification IDs

North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213
Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 990300001
South Carolina Bioassay Certification Number: 990300002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

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SAMPLE SUMMARY

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Lab ID	Sample ID	Matrix	Date Collected	Date Received
922167001	**SW-1**	Water	08/22/07 13:30	08/23/07 09:30
922167002	**SOLESBEE**	Water	08/22/07 11:30	08/23/07 09:30
922167003	**RATHBONE**	Water	08/22/07 12:50	08/23/07 09:30
922167004	**PENDERGRASS**	Water	08/22/07 11:40	08/23/07 09:30
922167005	**VAN BUSKIRK**	Water	08/22/07 11:35	08/23/07 09:30

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SAMPLE ANALYTE COUNT

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Lab ID	Sample ID	Method	Analytes Reported
922167001	**SW-1**	EPA 6010 GW North Carolina	15
		EPA 8260	62
			6
922167002	**SOLESBEE**	EPA 6010 GW North Carolina	15
		EPA 8260	62
922167003	**RATHBONE**	EPA 6010 GW North Carolina	15
		EPA 8260	62
922167004	**PENDERGRASS**	EPA 6010 GW North Carolina	15
		EPA 8260	62
922167005	**VAN BUSKIRK**	EPA 6010 GW North Carolina	15
		EPA 8260	62

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ANALYTICAL RESULTS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Sample: SW-1 **Lab ID: 922167001** Collected: 08/22/07 13:30 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:							
Collected By	**MPS**			1		09/11/07 16:59		
Collected Date	**8/22/07**			1		09/11/07 16:59		
Collected Time	**13:30**			1		09/11/07 16:59		
Field pH	**7.51**	Std. Units		1		09/11/07 16:59		
Field Temperature	**24.2**	deg C		1		09/11/07 16:59		
Field Specific Conductance	**92.4**	umhos/cm		1		09/11/07 16:59		
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:40	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:40	7440-38-2	
Barium	**7.7**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:40	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:40	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:40	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:40	7440-47-3	
Cobalt	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:40	7440-48-4	
Copper	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:40	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:40	7439-92-1	
Nickel	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:40	7440-02-0	
Selenium	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:40	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:40	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:40	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:40	7440-62-2	
Zinc	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:40	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 08:03	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 08:03	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 08:03	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 08:03	107-05-1	
Benzene	ND	ug/L	1.0	1		08/27/07 08:03	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 08:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 08:03	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 08:03	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 08:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 08:03	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 08:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 08:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/27/07 08:03	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 08:03	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 08:03	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 08:03	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 08:03	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 08:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 08:03	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 08:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 08:03	95-50-1	

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ANALYTICAL RESULTS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Sample: SW-1 **Lab ID: 922167001** Collected: 08/22/07 13:30 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 08:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 08:03	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 08:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 08:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 08:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 08:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 08:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 08:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 08:03	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 08:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 08:03	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 08:03	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 08:03	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 08:03	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 08:03	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 08:03	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 08:03	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 08:03	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 08:03	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 08:03	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 08:03	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 08:03	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 08:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 08:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 08:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 08:03	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 08:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 08:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 08:03	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 08:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 08:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 08:03	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 08:03	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 08:03	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 08:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 08:03	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 08:03	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		08/27/07 08:03	460-00-4	
Dibromofluoromethane (S)	103	%	85-115	1		08/27/07 08:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120	1		08/27/07 08:03	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/27/07 08:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Sample: SOLESBEE **Lab ID: 922167002** Collected: 08/22/07 11:30 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:50	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:50	7440-38-2	
Barium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:50	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:50	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:50	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:50	7440-47-3	
Cobalt	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:50	7440-48-4	
Copper	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:50	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:50	7439-92-1	
Nickel	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:50	7440-02-0	
Selenium	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:50	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:50	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:50	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:50	7440-62-2	
Zinc	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:50	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 08:26	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 08:26	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 08:26	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 08:26	107-05-1	
Benzene	ND	ug/L	1.0	1		08/27/07 08:26	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 08:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 08:26	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 08:26	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 08:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 08:26	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 08:26	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 08:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/27/07 08:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 08:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 08:26	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 08:26	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 08:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 08:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 08:26	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 08:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 08:26	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 08:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 08:26	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 08:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 08:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 08:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 08:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 08:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 08:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 08:26	142-28-9	

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ANALYTICAL RESULTS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Sample: SOLESBEE **Lab ID: 922167002** Collected: 08/22/07 11:30 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 08:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 08:26	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 08:26	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 08:26	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 08:26	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 08:26	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 08:26	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 08:26	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 08:26	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 08:26	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 08:26	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 08:26	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 08:26	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 08:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 08:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 08:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 08:26	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 08:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 08:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 08:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 08:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 08:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 08:26	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 08:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 08:26	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 08:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 08:26	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 08:26	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		08/27/07 08:26	460-00-4	
Dibromofluoromethane (S)	103	%	85-115	1		08/27/07 08:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120	1		08/27/07 08:26	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/27/07 08:26	2037-26-5	

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ANALYTICAL RESULTS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Sample: RATHBONE **Lab ID: 922167003** Collected: 08/22/07 12:50 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina Preparation Method: EPA 3010							
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:54	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:54	7440-38-2	
Barium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:54	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:54	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:54	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:54	7440-47-3	
Cobalt	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:54	7440-48-4	
Copper	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:54	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:54	7439-92-1	
Nickel	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:54	7440-02-0	
Selenium	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:54	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:54	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:54	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:54	7440-62-2	
Zinc	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:54	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 08:50	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 08:50	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 08:50	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 08:50	107-05-1	
Benzene	ND	ug/L	1.0	1		08/27/07 08:50	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 08:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 08:50	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 08:50	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 08:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 08:50	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 08:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 08:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/27/07 08:50	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 08:50	75-00-3	
Chloroform	**4.2**	ug/L	1.0	1		08/27/07 08:50	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 08:50	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 08:50	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 08:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 08:50	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 08:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 08:50	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 08:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 08:50	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 08:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 08:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 08:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 08:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 08:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 08:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 08:50	142-28-9	

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ANALYTICAL RESULTS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Sample: RATHBONE **Lab ID: 922167003** Collected: 08/22/07 12:50 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 08:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 08:50	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 08:50	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 08:50	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 08:50	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 08:50	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 08:50	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 08:50	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 08:50	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 08:50	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 08:50	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 08:50	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 08:50	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 08:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 08:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 08:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 08:50	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 08:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 08:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 08:50	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 08:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 08:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 08:50	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 08:50	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 08:50	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 08:50	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 08:50	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 08:50	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		08/27/07 08:50	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	1		08/27/07 08:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120	1		08/27/07 08:50	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/27/07 08:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Sample: PENDERGRASS **Lab ID: 922167004** Collected: 08/22/07 11:40 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:57	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:57	7440-38-2	
Barium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:57	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:57	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 21:57	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:57	7440-47-3	
Cobalt	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:57	7440-48-4	
Copper	**27.5**	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:57	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:57	7439-92-1	
Nickel	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:57	7440-02-0	
Selenium	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:57	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:57	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 21:57	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 21:57	7440-62-2	
Zinc	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 21:57	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/27/07 09:14	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/27/07 09:14	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/27/07 09:14	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/27/07 09:14	107-05-1	
Benzene	ND	ug/L	1.0	1		08/27/07 09:14	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/27/07 09:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/27/07 09:14	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/27/07 09:14	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/27/07 09:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/27/07 09:14	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/27/07 09:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/27/07 09:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/27/07 09:14	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/27/07 09:14	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/27/07 09:14	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/27/07 09:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/27/07 09:14	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/27/07 09:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/27/07 09:14	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/27/07 09:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 09:14	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/27/07 09:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/27/07 09:14	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/27/07 09:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/27/07 09:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/27/07 09:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 09:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/27/07 09:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/27/07 09:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/27/07 09:14	142-28-9	

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ANALYTICAL RESULTS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Sample: PENDERGRASS **Lab ID: 922167004** Collected: 08/22/07 11:40 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 09:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/27/07 09:14	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/27/07 09:14	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/27/07 09:14	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/27/07 09:14	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/27/07 09:14	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/27/07 09:14	74-88-4	
Isobutanol	ND	ug/L	100	1		08/27/07 09:14	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/27/07 09:14	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/27/07 09:14	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/27/07 09:14	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/27/07 09:14	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/27/07 09:14	107-12-0	
Styrene	ND	ug/L	1.0	1		08/27/07 09:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 09:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/27/07 09:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/27/07 09:14	127-18-4	
Toluene	ND	ug/L	1.0	1		08/27/07 09:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/27/07 09:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/27/07 09:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/27/07 09:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/27/07 09:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/27/07 09:14	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/27/07 09:14	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/27/07 09:14	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/27/07 09:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/27/07 09:14	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/27/07 09:14	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		08/27/07 09:14	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	1		08/27/07 09:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120	1		08/27/07 09:14	17060-07-0	
Toluene-d8 (S)	101	%	70-120	1		08/27/07 09:14	2037-26-5	

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ANALYTICAL RESULTS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Sample: VAN BUSKIRK **Lab ID: 922167005** Collected: 08/22/07 11:35 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP NC Groundwater	Analytical Method: EPA 6010 GW North Carolina			Preparation Method: EPA 3010				
Antimony	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 22:01	7440-36-0	
Arsenic	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 22:01	7440-38-2	
Barium	**27.6**	ug/L	5.0	1	08/27/07 11:25	08/28/07 22:01	7440-39-3	
Beryllium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 22:01	7440-41-7	
Cadmium	ND	ug/L	1.0	1	08/27/07 11:25	08/28/07 22:01	7440-43-9	
Chromium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 22:01	7440-47-3	
Cobalt	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 22:01	7440-48-4	
Copper	**11.6**	ug/L	5.0	1	08/27/07 11:25	08/28/07 22:01	7440-50-8	
Lead	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 22:01	7439-92-1	
Nickel	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 22:01	7440-02-0	
Selenium	ND	ug/L	10.0	1	08/27/07 11:25	08/28/07 22:01	7782-49-2	
Silver	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 22:01	7440-22-4	
Thallium	ND	ug/L	5.5	1	08/27/07 11:25	08/28/07 22:01	7440-28-0	
Vanadium	ND	ug/L	5.0	1	08/27/07 11:25	08/28/07 22:01	7440-62-2	
Zinc	**14.6**	ug/L	10.0	1	08/27/07 11:25	08/28/07 22:01	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		08/30/07 01:53	67-64-1	
Acrolein	ND	ug/L	10.0	1		08/30/07 01:53	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		08/30/07 01:53	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		08/30/07 01:53	107-05-1	
Benzene	ND	ug/L	1.0	1		08/30/07 01:53	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		08/30/07 01:53	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/30/07 01:53	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/30/07 01:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/30/07 01:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		08/30/07 01:53	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		08/30/07 01:53	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		08/30/07 01:53	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/30/07 01:53	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/30/07 01:53	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/30/07 01:53	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/30/07 01:53	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		08/30/07 01:53	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/30/07 01:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/30/07 01:53	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/30/07 01:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/30/07 01:53	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/30/07 01:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		08/30/07 01:53	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/30/07 01:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/30/07 01:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/30/07 01:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/30/07 01:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/30/07 01:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/30/07 01:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/30/07 01:53	142-28-9	

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ANALYTICAL RESULTS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Sample: VAN BUSKIRK **Lab ID: 922167005** Collected: 08/22/07 11:35 Received: 08/23/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		08/30/07 01:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		08/30/07 01:53	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/30/07 01:53	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/30/07 01:53	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		08/30/07 01:53	97-63-2	
2-Hexanone	ND	ug/L	5.0	1		08/30/07 01:53	591-78-6	
Iodomethane	ND	ug/L	5.0	1		08/30/07 01:53	74-88-4	
Isobutanol	ND	ug/L	100	1		08/30/07 01:53	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		08/30/07 01:53	126-98-7	
Methylene Chloride	ND	ug/L	2.0	1		08/30/07 01:53	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		08/30/07 01:53	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		08/30/07 01:53	108-10-1	
Propionitrile	ND	ug/L	20.0	1		08/30/07 01:53	107-12-0	
Styrene	ND	ug/L	1.0	1		08/30/07 01:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/30/07 01:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/30/07 01:53	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		08/30/07 01:53	127-18-4	
Toluene	ND	ug/L	1.0	1		08/30/07 01:53	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/30/07 01:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/30/07 01:53	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/30/07 01:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/30/07 01:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/30/07 01:53	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		08/30/07 01:53	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		08/30/07 01:53	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/30/07 01:53	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/30/07 01:53	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/30/07 01:53	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		08/30/07 01:53	460-00-4	
Dibromofluoromethane (S)	101	%	85-115	1		08/30/07 01:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120	1		08/30/07 01:53	17060-07-0	
Toluene-d8 (S)	101	%	70-120	1		08/30/07 01:53	2037-26-5	

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QUALITY CONTROL DATA

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

QC Batch: MSV/1122 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 922167001, 922167002, 922167003, 922167004

METHOD BLANK: 8272
Associated Lab Samples: 922167001, 922167002, 922167003, 922167004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2-Butanone (MEK)	ug/L	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	
Acetone	ug/L	ND	25.0	
Benzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	
Dibromomethane	ug/L	ND	1.0	
Diisopropyl ether	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
m&p-Xylene	ug/L	ND	2.0	
Methylene Chloride	ug/L	ND	2.0	
o-Xylene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl acetate	ug/L	ND	2.0	

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QUALITY CONTROL DATA

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

METHOD BLANK: 8272

Associated Lab Samples: 922167001, 922167002, 922167003, 922167004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	2.0	
1,2-Dichloroethane-d4 (S)	%	102	79-120	
4-Bromofluorobenzene (S)	%	99	87-109	
Dibromofluoromethane (S)	%	102	85-115	
Toluene-d8 (S)	%	101	70-120	

LABORATORY CONTROL SAMPLE: 8273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.9	112	83-125	
1,1,1-Trichloroethane	ug/L	50	59.5	119	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	73-127	
1,1,2-Trichloroethane	ug/L	50	55.7	111	77-123	
1,1-Dichloroethane	ug/L	50	59.3	119	76-129	
1,2,3-Trichloropropane	ug/L	50	51.0	102	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	48.6	97	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	53.0	106	81-125	
1,2-Dichlorobenzene	ug/L	50	52.2	104	82-126	
1,2-Dichloroethane	ug/L	50	58.5	117	72-126	
1,2-Dichloropropane	ug/L	50	57.6	115	80-127	
1,3-Dichloropropane	ug/L	50	52.9	106	79-124	
1,4-Dichlorobenzene	ug/L	50	54.4	109	79-125	
2-Butanone (MEK)	ug/L	100	107	107	50-134	
4-Methyl-2-pentanone (MIBK)	ug/L	100	110	110	70-131	
Acetone	ug/L	100	106	106	50-146	
Benzene	ug/L	50	58.2	116	78-128	
Bromochloromethane	ug/L	50	53.2	106	73-124	
Bromodichloromethane	ug/L	50	59.6	119	81-125	
Bromoform	ug/L	50	49.8	100	71-125	
Bromomethane	ug/L	50	66.0	132	50-150	
Carbon tetrachloride	ug/L	50	57.2	114	81-137	
Chlorobenzene	ug/L	50	56.3	113	82-126	
Chloroethane	ug/L	50	59.0	118	69-140	
Chloroform	ug/L	50	60.3	121	77-129	
Chloromethane	ug/L	50	54.7	109	54-139	
cis-1,2-Dichloroethene	ug/L	50	59.3	119	76-133	
cis-1,3-Dichloropropene	ug/L	50	57.8	116	76-127	
Dibromochloromethane	ug/L	50	55.9	112	77-125	
Dibromomethane	ug/L	50	54.7	109	77-125	
Diisopropyl ether	ug/L	50	58.2	116	74-131	
Ethylbenzene	ug/L	50	56.5	113	80-127	
m&p-Xylene	ug/L	100	113	113	82-127	
Methylene Chloride	ug/L	50	54.4	109	67-133	
o-Xylene	ug/L	50	54.4	109	83-124	

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QUALITY CONTROL DATA

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

LABORATORY CONTROL SAMPLE: 8273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	50	55.6	111	80-130	
Tetrachloroethene	ug/L	50	57.2	114	78-128	
Toluene	ug/L	50	57.6	115	76-126	
trans-1,2-Dichloroethene	ug/L	50	60.9	122	78-134	
trans-1,3-Dichloropropene	ug/L	50	57.1	114	75-125	
Trichloroethene	ug/L	50	59.0	118	79-127	
Trichlorofluoromethane	ug/L	50	57.7	115	76-148	
Vinyl acetate	ug/L	100	99.3	99	50-150	
Vinyl chloride	ug/L	50	62.9	126	67-143	
Xylene (Total)	ug/L	150	167	112	83-125	
1,2-Dichloroethane-d4 (S)	%			104	79-120	
4-Bromofluorobenzene (S)	%			98	87-109	
Dibromofluoromethane (S)	%			101	85-115	
Toluene-d8 (S)	%			101	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 8274 8275

Parameter	Units	922167001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	60.1	56.9	120	114	74-136	6	30	
Chlorobenzene	ug/L	ND	50	50	58.5	55.5	117	111	79-135	5	30	
Toluene	ug/L	ND	50	50	58.3	55.4	117	111	73-131	5	30	
Trichloroethene	ug/L	ND	50	50	58.0	54.8	116	110	73-131	6	30	
1,2-Dichloroethane-d4 (S)	%						104	104	79-120			
4-Bromofluorobenzene (S)	%						98	98	87-109			
Dibromofluoromethane (S)	%						102	100	85-115			
Toluene-d8 (S)	%						101	101	70-120			

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QUALITY CONTROL DATA

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

QC Batch: MPRP/1105 | Analysis Method: EPA 6010 GW North Carolina
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 922167001, 922167002, 922167003, 922167004, 922167005

METHOD BLANK: 8329
Associated Lab Samples: 922167001, 922167002, 922167003, 922167004, 922167005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Antimony	ug/L	ND	10.0	
Arsenic	ug/L	ND	5.0	
Barium	ug/L	ND	5.0	
Beryllium	ug/L	ND	1.0	
Cadmium	ug/L	ND	1.0	
Chromium	ug/L	ND	5.0	
Cobalt	ug/L	ND	5.0	
Copper	ug/L	ND	5.0	
Lead	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Selenium	ug/L	ND	10.0	
Silver	ug/L	ND	5.0	
Thallium	ug/L	ND	5.5	
Vanadium	ug/L	ND	5.0	
Zinc	ug/L	ND	10.0	

LABORATORY CONTROL SAMPLE: 8330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	489	98	80-120	
Arsenic	ug/L	500	473	95	80-120	
Barium	ug/L	500	436	87	80-120	
Beryllium	ug/L	500	467	93	80-120	
Cadmium	ug/L	500	472	94	80-120	
Chromium	ug/L	500	461	92	80-120	
Cobalt	ug/L	500	454	91	80-120	
Copper	ug/L	500	446	89	80-120	
Lead	ug/L	500	477	95	80-120	
Nickel	ug/L	500	469	94	80-120	
Selenium	ug/L	500	467	93	80-120	
Silver	ug/L	250	241	96	80-120	
Thallium	ug/L	500	466	93	80-120	
Vanadium	ug/L	500	454	91	80-120	
Zinc	ug/L	500	457	91	80-120	

MATRIX SPIKE SAMPLE: 8331

Parameter	Units	921905001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	452	90	75-125	
Arsenic	ug/L	ND	500	450	90	75-125	

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QUALITY CONTROL DATA

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

MATRIX SPIKE SAMPLE: 8331

Parameter	Units	921905001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	3590	500	3940	71	75-125	M3
Beryllium	ug/L	6.2	500	430	85	75-125	
Cadmium	ug/L	1.7	500	416	83	75-125	
Chromium	ug/L	ND	500	406	81	75-125	
Cobalt	ug/L	17.9	500	398	76	75-125	
Copper	ug/L	ND	500	398	80	75-125	
Lead	ug/L	ND	500	404	81	75-125	
Nickel	ug/L	ND	500	394	79	75-125	
Selenium	ug/L	ND	500	443	89	75-125	
Silver	ug/L	ND	250	219	88	75-125	
Thallium	ug/L	ND	500	384	77	75-125	
Vanadium	ug/L	ND	500	411	82	75-125	
Zinc	ug/L	120	500	543	85	75-125	

SAMPLE DUPLICATE: 8332

Parameter	Units	921905002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND	200		
Arsenic	ug/L	ND	ND	199		
Barium	ug/L	166	169	2		
Beryllium	ug/L	ND	ND	0		
Cadmium	ug/L	ND	ND	0		
Chromium	ug/L	ND	ND	0		
Cobalt	ug/L	ND	ND	0		
Copper	ug/L	ND	.83J	50		
Lead	ug/L	5.0	4.8J	4		
Nickel	ug/L	ND	2J	26		
Selenium	ug/L	25.3	22.5	12		
Silver	ug/L	ND	ND	200		
Thallium	ug/L	10.6	7.6	32		
Vanadium	ug/L	13.2	14.1	7		
Zinc	ug/L	44.9	47.9	6		

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QUALITY CONTROL DATA

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

QC Batch: MSV/1147
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 922167005

METHOD BLANK: 8746
Associated Lab Samples: 922167005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2-Butanone (MEK)	ug/L	ND	5.0	
2-Hexanone	ug/L	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	
Acetone	ug/L	ND	25.0	
Acrolein	ug/L	ND	10.0	
Acrylonitrile	ug/L	ND	10.0	
Allyl chloride	ug/L	ND	2.0	
Benzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	5.0	
Carbon disulfide	ug/L	ND	2.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	
Dibromomethane	ug/L	ND	1.0	
Diisopropyl ether	ug/L	ND	1.0	
Ethyl methacrylate	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Iodomethane	ug/L	ND	5.0	
Isobutanol	ug/L	ND	100	
m&p-Xylene	ug/L	ND	2.0	
Methacrylonitrile	ug/L	ND	10.0	

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QUALITY CONTROL DATA

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

METHOD BLANK: 8746

Associated Lab Samples: 922167005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Methyl methacrylate	ug/L	ND	2.0	
Methylene Chloride	ug/L	ND	2.0	
o-Xylene	ug/L	ND	1.0	
Propionitrile	ug/L	ND	20.0	
Styrene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl acetate	ug/L	ND	2.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	2.0	
1,2-Dichloroethane-d4 (S)	%	98	79-120	
4-Bromofluorobenzene (S)	%	99	87-109	
Dibromofluoromethane (S)	%	99	85-115	
Toluene-d8 (S)	%	100	70-120	

LABORATORY CONTROL SAMPLE: 8747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.1	114	83-125	
1,1,1-Trichloroethane	ug/L	50	61.4	123	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	44.2	88	73-127	
1,1,2-Trichloroethane	ug/L	50	55.4	111	77-123	
1,1-Dichloroethane	ug/L	50	60.7	121	76-129	
1,1-Dichloroethene	ug/L	50	66.6	133	78-146	
1,2,3-Trichloropropane	ug/L	50	49.1	98	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	43.9	88	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	53.5	107	81-125	
1,2-Dichlorobenzene	ug/L	50	52.0	104	82-126	
1,2-Dichloroethane	ug/L	50	56.1	112	72-126	
1,2-Dichloropropane	ug/L	50	58.3	117	80-127	
1,3-Dichloropropane	ug/L	50	53.1	106	79-124	
1,4-Dichlorobenzene	ug/L	50	54.2	108	79-125	
2-Butanone (MEK)	ug/L	100	105	105	50-134	
2-Hexanone	ug/L	100	94.1	94	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	70-131	
Acetone	ug/L	100	113	113	50-146	
Acrolein	ug/L	250	204	81	55-143	
Acrylonitrile	ug/L	250	261	105	66-124	
Allyl chloride	ug/L	50	61.0	122	73-141	
Benzene	ug/L	50	59.7	119	78-128	

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QUALITY CONTROL DATA

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

LABORATORY CONTROL SAMPLE: 8747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/L	50	58.6	117	73-124	
Bromodichloromethane	ug/L	50	58.6	117	81-125	
Bromoform	ug/L	50	47.8	96	71-125	
Bromomethane	ug/L	50	63.2	126	50-150	
Carbon disulfide	ug/L	50	61.7	123	54-150	
Carbon tetrachloride	ug/L	50	59.5	119	81-137	
Chlorobenzene	ug/L	50	56.9	114	82-126	
Chloroethane	ug/L	50	61.1	122	69-140	
Chloroform	ug/L	50	59.7	119	77-129	
Chloromethane	ug/L	50	53.3	107	54-139	
cis-1,2-Dichloroethene	ug/L	50	62.2	124	76-133	
cis-1,3-Dichloropropene	ug/L	50	58.7	117	76-127	
Dibromochloromethane	ug/L	50	54.6	109	77-125	
Dibromomethane	ug/L	50	55.3	111	77-125	
Diisopropyl ether	ug/L	50	59.7	119	74-131	
Ethyl methacrylate	ug/L	50	46.5	93	73-129	
Ethylbenzene	ug/L	50	57.9	116	80-127	
Iodomethane	ug/L	100	141	141	65-172	
Isobutanol	ug/L	1000	790	79	50-150	
m&p-Xylene	ug/L	100	115	115	82-127	
Methacrylonitrile	ug/L	500	519	104	70-128	
Methyl methacrylate	ug/L	50	48.7	97	79-122	
Methylene Chloride	ug/L	50	55.6	111	67-133	
o-Xylene	ug/L	50	56.5	113	83-124	
Propionitrile	ug/L	500	488	98	65-129	
Styrene	ug/L	50	60.4	121	80-130	
Tetrachloroethene	ug/L	50	58.4	117	78-128	
Toluene	ug/L	50	58.6	117	76-126	
trans-1,2-Dichloroethene	ug/L	50	62.4	125	78-134	
trans-1,3-Dichloropropene	ug/L	50	56.2	112	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	46.1	92	51-140	
Trichloroethene	ug/L	50	63.1	126	79-127	
Trichlorofluoromethane	ug/L	50	57.7	115	76-148	
Vinyl acetate	ug/L	100	64.2	64	50-150	
Vinyl chloride	ug/L	50	59.7	119	67-143	
Xylene (Total)	ug/L	150	171	114	83-125	
1,2-Dichloroethane-d4 (S)	%			102	79-120	
4-Bromofluorobenzene (S)	%			100	87-109	
Dibromofluoromethane (S)	%			101	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 8748 8749

Parameter	Units	922168002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	66.3	57.7	133	115	60-150	14	30	
Benzene	ug/L	ND	50	50	59.9	52.9	120	106	74-136	12	30	

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QUALITY CONTROL DATA

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 8748 8749

Parameter	Units	922168002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	ND	50	50	56.8	51.1	114	102	79-135	10	30	
Toluene	ug/L	ND	50	50	57.5	50.7	115	101	73-131	12	30	
Trichloroethene	ug/L	ND	50	50	57.4	50.8	115	102	73-131	12	30	
1,2-Dichloroethane-d4 (S)	%						99	99	79-120			
4-Bromofluorobenzene (S)	%						99	97	87-109			
Dibromofluoromethane (S)	%						101	101	85-115			
Toluene-d8 (S)	%						100	100	70-120			

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QUALIFIERS

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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ANALYTE QUALIFIERS

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Cherokee Co. Res. Wells & SW
Pace Project No.: 922167

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
922167001	**SW-1**	EPA 8260	MSV/1122		
922167002	**SOLESBEE**	EPA 8260	MSV/1122		
922167003	**RATHBONE**	EPA 8260	MSV/1122		
922167004	**PENDERGRASS**	EPA 8260	MSV/1122		
922167001	**SW-1**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922167002	**SOLESBEE**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922167003	**RATHBONE**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922167004	**PENDERGRASS**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922167005	**VAN BUSKIRK**	EPA 3010	MPRP/1105	EPA 6010 GW North Carolina	ICP/1087
922167005	**VAN BUSKIRK**	EPA 8260	MSV/1147		
922167001	**SW-1**		FLD/1041		

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